

**Abstract:**

A system and method for allowing individual software modules for an Enterprise Java Bean (EJB) software application to be reloaded in memory without forcing other modules to be reloaded at the same time. Such reloadable modules address the problem of not being able to reload a module without reloading all classes in the application. In accordance with one embodiment the root classloader and webapp classloader are reorganized, and the individual modules placed in their own classloader. This allows the developer to define their classloader organization according to their particular needs. In this way the system can reload the EJB implementation (impl) class without affecting the rest of the application. The system or a developer can also reload an individual EJB module without affecting the rest of the application.